

Date:

November 19, 2012

To:

Jack Osterholt, Director

Regulatory and Economic Resources Small Business Development Division

From: Rodney McMillian

Special Project Administrator Public Works and Waste Management Department

Subject:

Compliance Review of Construction Bid Submittals:

Miscellaneous Construction Contracts (MCC) Program:

MCC 7360 Plan - CICC 7360-0/08

Request for Price Quotation (RPQ) No. 20120127 People's Transportation Plan (PTP) Roadway

Improvements on SW 17 Avenue from S. Dixie Highway to W Flagler Street

#### RECOMMENDATION

Departmental Contract Measure Recommendation: Trade Set-Asides

Engineer's Opinion of Probable Construction Costs: \$1,200,641.04

Community Workforce Program (CWP): Applicable

Reviewed by Small Business Development (SBD) Construction Manager: Yes

#### **BACKGROUND**

A request was made by the Miami Shenandoah Neighborhood Association for improvements along the SW 17th Avenue corridor, which is a County maintained roadway and vital to the movement of traffic in the area. The approved design is a result of a joint effort between the County and the City and includes milling, resurfacing, pavement markings, and raised medians at selected painted islands.

Asphalt surfaces have a typical service life of 8 to 12 years, depending on traffic and weather conditions. Asphalt resurfacing is necessary when the asphalt surface has reached the end of its service life or if other methods of restoration cannot repair the roadway. Asphalt resurfacing is a multistep process that usually involves several work crews, accompanied by proper construction signs and work-zone traffic control measures to maintain public safety. This project is needed for the construction of new asphalt surfaces throughout Miami-Dade County that will improve driving conditions, public safety and roadway aesthetics.

2012 NOV 19 PM 3: 07

Page 2 20120127 Review/Analysis

If any additional information is needed, please call me at (305) 375-5320, or Frank Aira at (305) 375-2930.

#### RM/rm

Attachments (4)

C: Kelly Duncombe, RER/SBD Ileana Quintana, RER/SBD Bassam Moubayed, PWWM Frank Aira, P.E., CFM, PWWM James Ferriera, PWWM Dianah Coakley, PWWM Lisset Cabrera, PWWM Project File

# DEPARTMENT INPUT CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Check applicable Ordinance(s	): 🔀 90-143 Responsi	ble Wage and Benefits	☐ 03-237 (forme	erly 03-1)	Community Workforce Program
	PROJEC	CT INFORMATION	See attachment [	$\boxtimes$	
Contract/Project/*Work O *Reference corresponding proje		ng a work order			
Contract/Project Title: P	TP Roadway Improv	ement on SW 17 Ave from	m S. Dixie Hwy to	W Flagle	er Street
Description/Scope of Work	: See Attached				
Estimated Cost: 1200641 Fo	unding Source: Other	r (specify)			
Location of Project (street a Please see attached  PROJEC		nd ending points) i.e. 123			
Engineer/Department or A	gency's estimated re	equired workforce for Pr	roject 🔀 Work Or	rder 🔲:	
Trade/Skills Required	]	Est. # of workforce requir	ed per trade		Est. # of total days to complete job
Supervisor		1			180
Foremen		1			180
Operator		2			180
Comments: Please note the above. In addition, respect Contract also afford the above PROJECT ANALYSIS I	ive employees utilize wility to add and/or de	ed for various scopes of elete sites.	work throughout t	the durat	ual amount of days indicated tion of the contract. The
Sub-Trade	Est. Cost	% of Item to Base B	id A	vailabilit	Ty
	\$	%			
	\$	%			
	\$	%			
Set-Aside: Level 1  Level			ontractor Goal W		
<b>Basis for Recommendation</b>	on:Analysis of facto	ors contained in Section	ı VI D of Implem	enting (	Order 3-22. PWWM suggest

the following contract measure recommendation: Trade Set-Aside: Traffic Stripes and Markings: Painted and/or Thermoplastic and Trade Set-Aside: Electrical: Inductive Loop Detectors. In addition, Geocode suggest the Work Order location is located within a Designated Target Area (DTA)

Date submitted to DBD: 11-19-12

Contact Person:Rodney McMillian or Frank Aira

Telephone No.:305-375-5320

C:\Review Committee Action Folder\Word Files\Review Committee Action-RC\RC Projects\7360 Cover and Anaysis Memos\7360\Roadway Improvement\Analysis\20120127-SBD Analysis Form.docHarris/project analysis form Revised 1/15/03

### <u>DEPARTMENT INPUT</u> <u>CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION</u>

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	PROJE	CT INFORMATION	See attachme	nt 🖂	
Contract/Project/*Work O *Reference corresponding proje		tting a work order			
Contract/Project Title: P	TP Roadway Impro	vement on SW 17 Avenue	from S. Dixie H	lwy to W F	lagler Street
Description/Scope of Work	: See Attached				
Estimated Cost: 1200641 F	unding Source: Oth	er (specify)			
Location of Project (street Please see attached	address or beginning	and ending points) i.e. 123	45 NE 23 <sup>rd</sup> Ct or	Starts at 13	35 St. ends at 145 St.
PROJEC	CT ANALYSIS FO	OR GOAL RECOMME	NDATION (C	<u>WP)</u> See	attachment 🛚
Engineer/Department or A	gency's estimated	required workforce for P	roject 🛛 Work	Order 🗌	:
Trade/Skills Required	A CONTRACTOR OF THE CONTRACTOR	Est. # of workforce requir	ed per trade		Est. # of total days to
Laborers		6			complete job 180
above. In addtion, respect Contract also afford the ab	ive employees utilibility to add and/or	zed for various scopes of delete sites.	work througho	out the dura	tual amount of days indicated ation of the contract. The
PROJECT ANALYSIS I	FOR GOAL REC	OMMENDATION (CSI	BE) See attacl	hment 🔀	
Sub-Trade	Est. Cost	% of Item to Base B	Bid	Availabil	ity
	\$	%			
	\$	%			
		RECOMMENDA	TION		
Set-Aside: Level 1 Level	2 Level 3 7	rade Set-Aside 🛭 Sub-Co	ontractor Goal [	Workfor	ce Goal No Measure
Basis for Recommendation the following contract me Thermoplastic and Trad Order location is located	easure recommen e Set-Aside: Elect	dation: Trade Set-Aside rical: Inductive Loop D	: Traffic Strip	es and Ma	
Date submitted to DBD: Contact Person: Rodney Telephone No.: 305-375-5	McMillian or Fra	nk Aira			

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## Miami-Dade County Public Works and Waste Management Department Contract/Project Measure Analysis and Recommendation

То:	Jack Osterholt, Direct Regulatory and Econ Small Business Deve	nomic Resources
From:	Rodney McMillian Special Project Admi Public Works and Wa Management Depart	aste
Date:	Monday, November	19, 2012
Depar	tment: Public Works a	nd Waste Management
Contra	act Type:	
Single	Trade - Roadway Res	surfacing
Reque	est for Price Quotation	(RPQ) No.:
20120	127	
Re-sul	bmittal:  ☐Yes; Previ	ous Review Committee (RC) Submittal Dates
	⊠No	
Projec	t Title:	
	e's Transportation Plai gler Street	n (PTP) Roadway Improvements on SW 17 Avenue from S. Dixie Highway to
Standa	ard Industrial Code (S	IC):
16-Hig	hway and Street Cons	struction
Estima	ated Project Cost:	
\$1,200	),641.04	
Fundir	ng Source:	
PTP		
Bondir	ng Requirements:	Bid Bond– 5% of base bid amount Performance Bond- 100% of Contract Award Amount
Motho	d of Award: Apparent	Lawast Paspansiya Paspansible Biddom Line Itam

#### Miami-Dade County Public Works and Waste Management Department Contract/Project Measure Analysis and Recommendation

RPQ No.:

20120127

RPQ Title:

PTP Roadway Improvements on SW 17 Avenue from S. Dixie Highway to

W Flagler Street

#### Scope of Work

- A. Work under this Contract includes furnishing of all supervision, labor, materials, tools, equipment and performing all operations required to construct the Work in accordance with the Contract Documents.
- B. Work includes but is not limited to the following: Work includes but is not limited to furnishing all supervision, labor, materials, equipment, and tools to perform milling, resurfacing, signing and pavement markings, and raised medians. If any changes are required due to conflict of design and or field conditions, the Engineer will make the final determination.

#### Required Contractor's Certification:

At the time of Bid and pursuant to the requirements of Section 10-3 of the Code of Miami-Dade County, Florida and these Solicitation and Contract Documents, the Bidder must hold a valid, current, and active Certificate of Competency as a General Engineering Contractor or as a Specialty Engineering Contractor, commensurate to the requirements of the Project's Scope of Work, in one or more engineering crafts to include Paving Engineering. The Specialty Contractor shall subcontract with a qualified contractor any work which is incidental to the specialty but is specified in the aforementioned Code as being the work of other than that of the Engineering Specialty for which certified.

Pursuant to Section 255.20, Florida Statues (F.S.) and in lieu of the above, the County may consider a bid from a Bidder that is a duly licensed Contractor in good standing that has been pre-qualified and considered eligible by the Florida Department of Transportation (FDOT) under Section 337.14, F.S. and Chapter 14-2, Florida Administrative Code, to perform the work described in the Contract Documents. Contractors seeking consideration under this paragraph shall submit along with the Bid Documents for review and consideration, current copy (ies) of their FDOT Certificate(s) of Qualification, Certification of Work Underway, and Status of Contract(s) On Hand. Acceptable FDOT prequalification(s) necessary to perform the work specified in the Project's Scope of Work shall include the Flexible Paving Work Class.

#### Additional Information - Permits, Licenses, Certifications, and General Regulations

Permits that are issued by the Public Works Department, Miami-Dade County for construction within the public right-of-way, as well as additional permits, which may be required by other municipalities or agencies, including those required for tree removal, will be the responsibility of the Contractor.

County Road Construction Projects – NO PERMITS issued to sub-contractors. Except work related to Traffic Signalization, School Flashing Signals, Internally Illuminated Street Name Sign (IISNS), Street lighting, and Traffic Signal Loops which will require a separate permit issued to an Electrical Contractor to perform such work.

# Miami-Dade County Public Works and Waste Management Department Contract/Project Measure Analysis and Recommendation

RPQ No.:	20120127
RPQ Title:	PTP Roadway Improvements on SW 17 Avenue from S. Dixie Highway to W Flagler Street
Traffic S	tripes and Markings
consists pavemei Upon c reflector	rk under pavement markings and signage (Thermoplastic traffic stripes and Markings) of placing traffic stripes and markings using a material of the type that is extruded onto the nt surface in a molten state by mechanical means, with surface application of glass spheres. Sooling to normal pavement temperature these materials shall produce an adherent zed pavement marking of specified thickness and width and be capable of resisting tion by traffic.
PWWM Area	as for possible measures:
	es and Markings: Painted and/or Thermoplastic ductive Loop Detectors
PWWM Area	as recommended for CSBE participation:
•	es and Markings: Painted and/or Thermoplastic ductive Loop Detectors
Contract Me	asure Recommendation:
	No Measure
	Set-Aside:
	Level I Level III
$\boxtimes$	Trade Set-Aside(s):
	Traffic Stripes and Markings: Painted and/or Thermoplastic
	Electrical: Inductive Loop Detectors
	Aggregate Set-Aside
	CSBE Subcontractor Goal
	CWP: Applicable: Please see attached.

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**DBE Subcontractor Goal** 

## Miami-Dade County Public Works and Waste Management Department Contract/Project Measure Analysis and Recommendation

RPQ No.:

20120127

RPQ Title:

PTP Roadway Improvements on SW 17 Avenue from S. Dixie Highway to

W Flagler Street

#### Reason for Recommendation:

This is a single trade project; none of the primary trade related work (Resurfacing) can be subcontracted as per the Miscellaneous Construction Contract (MCC) specifications. Additionally, staff has met with the design engineer, construction project manager, and members of the industry and concluded that there is ancillary work required to complete this project which may be subcontracted. Ancillary work includes all categories listed under "Areas for possible measures." All areas to be subcontracted require special licenses and/or certifications. Also, some categories of work are highly specialized and require special, heavy machinery and/or equipment that are typically owned and/or leased by the contractor.

#### Comments:

In accordance with the Miami-Dade County Code (The Code), PWWM attached its Project Measure Analysis and Recommendation findings along with other supporting documents for consideration of small business participation. PWWM staff met with the Small Business Development Division's (SBD) Construction Manager in an effort to seek out additional opportunities for CSBEs. The Community Workforce Program (CWP) is applicable to this project. PWWM received a response from the Geocode System which determined that the work location is located in a Designated Target Area (DTA).

Contracts and Specifications staff completed its review of the scope of work for the subject RPQ. Based on the analysis of factors contained in Section VI D of Implementing Order 3-22, Public Works and Waste Management (PWWM) suggests the following contract measure recommendation: Trade Set-Aside: Traffic Stripes and Markings: Painted and/or Thermoplastic and Trade Set-Aside: Electrical: Inductive Loop Detectors.

The work location for the contract has identifiable opportunities for a Trade Set-Aside. The types of opportunities provided are appropriate for applying a Trade Set-Aside; and, effective competition exists in that three or more CSBEs appear to be available to perform in the recommended specialty trade area within SIC 17. The awarded Contractor and SBD shall verify with the user department the scope of work, dollar value and percentage of work achieved for CSBE participation on each Work Order upon expiration of the Contract.

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# Miami-Dade County Public Works and Waste Management Department Contract/Project Measure Analysis and Recommendation

RPQ No.:

20120127

RPQ Title:

PTP Roadway Improvements on SW 17 Avenue from S. Dixie Highway to

W Flagler Street

CSBE Prime History of similar Contracts/Projects for previous three years:

None

Scope of Work History Summary – Subcontracting Opportunities:

Areas recommended for CSBE Trade Set-Aside (PWWM/SBD):

Traffic Stripes and Markings (Painted and/or Thermoplastic)

Areas used to meet subcontractor goal (Awarded Contractor):

Traffic Stripes and Markings (Painted and/or Thermoplastic)

Similar Projects previously submitted for Project Review and Analysis Process:

None that included Electrical

CSBE Goal / Project No. / Amount achieved:

PWWM would have to confirm with the Compliance Monitor

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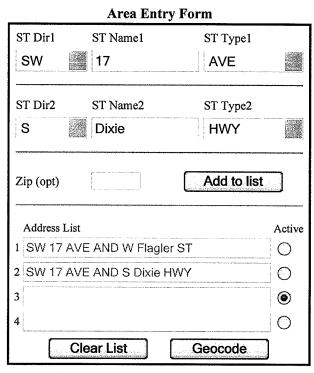
	ENGINEER'S OPINION OF PROBABLE CONSTRUCTION	v cos	STS		
	SW 17 AVENUE FROM US-1 TO W. FLAGLER STREET				
		UNIT	QUANT.	CURRENT	
ITEM NO.	ITEM	UNII	QUANT.	SET PRICE	· AMOUNT
1WSR	GENERAL CONSTRUCTION OPERATIONS  SAW CUT AND REMOVE AN AVERAGE OF TWO (2) INCHES OF TEMPORARY COLD ASPHALT PATCH ON TRENCH IN ORDER TO EXPOSE AND EVALUATE THE CONDITION OF THE BASE. IF BASE IS FOUND SUITABLE, CLEAN LOOSE MATERIAL AND REPLACE THE AMOUNT OF COLD PATCH REMOVED WITH HOT TYPE S ASPHALTIC CONCRETE UP TO THE LEVEL OF THE SURROUNDING SURFACE.	SF	1500	4.00	6,000.00
2WSR	SAW CUT AND REMOVE AN AVERAGE OF TWO (2) INCHES OF EXISTING TEMPORARY COLD ASPHALT PATCH ON TRENCH IN ORDER TO EXPOSE AND EVALUATE THE CONDITION OF THE BASE. IF BASE IS FOUND UNSUITABLE BY THE ENGINEER, REMOVE BASE MATERIAL AND REPLACE WITH A MINIMUM OF EIGHT (8) INCHES OF COMPACTED LIMEROCK OR SIX (6) INCHES OF HOT S ASPHALTIC CONCRETE. IN EITHER CASE, REPLACE THE COLD PATCH REMOVED WITH HOT TYPE S ASPHALTIC CONCRETE UP TO THE LEVEL OF THE SURROUNDING SURFACE.	SF	1500	4.00	6,000.00
102-61	BUSINESS SIGNS (TEMPORARY, POST MOUNTED)	EA	2	50.00	100.00
102-71-11 102-74-1	BARRIER WALL (F&I) BARRICADES ( TEMPORARY- TYPE I, II, VP & DRUM ).	LF EA	200 3,600	20.00	4,000.00 1,800.00
102-74-2	BARRICADES ( TEMPORARY, TYPE III, 6')	EA	120	0.50	60.00
102-60	CONSTRUCTION SIGNS (TEMPORARY, POST MOUNTED)	EA	1,680	0.40	672.00
102-76	FLASHING ARROW BOARD (TEMPORARY, MULTIMODE) / ADVANCE WARNING ARROW PANEL	EA	240	9.00	2,160.00
102-77 102-78	HIGH INTENSITY FLASHING LIGHTS (TEMPORARY, TYPE "B")  REFLECTIVE PAVEMENT MARKER (TEMPORARY)	EA EA	3,720 900	4.00	1,860.00 3,600.00
102-81	VEHICULAR IMPACT ATTENUATOR (INCLUDING RELOCATION & RESET) (TO BE USED WHEN	EA	6	1.00	0,000.00
	REQUIRED FOR MAINTENANCE OF TRAFFIC AND APPROVED BY THE ENGINEER)			1000.00	6,000.00
102-91-4	TEMPORARY MESSAGES (ONLY/MERGE/SCHOOL/RR)  VARIABLE MESSAGE SIGN (TEMPORARY)	EA EA	160 240	60.00 19.00	9,600.00 4,560.00
102-99 102-91-1A	PAVEMENT MARKING TEMPORARY (SOLID) (ANY WIDTH) (YELLOW OR WHITE) (PAINT)	LF	8500	0.40	3,400.00
102-91A	PAVEMENT MARKING TEMPORARY (SKIP) (ANY WIDTH) (YELLOW OR WHITE) (PAINT) (10' STRIPE, 30' SPACE)	LF	18,050	0.40	7,220.00
104-18	EROSION CONTROL INLET PROTECTION	EA	92	25.00	2,300.00
101 10	CLEARING AND GRUBBING				
110-1-1B	CLEARING AND GRUBBING (ASSUME 2% OF BASE ESTIMATE)	LS	1	19716.07	19,716.07
110-4G	REMOVAL OF EXISTING ASPHALT UP TO 3".  REMOVAL AND DISPOSAL OF EXISTING CURB AND GUTTER	SY LF	2293 655	2.35 7.00	5,388.55 4,585.00
110-4-1-1 110-4-2A	REMOVAL AND DISPOSAL OF EXISTING CORB AND GOTTER  REMOVAL OF EXISTING CONCRETE SIDEWALK ( UP TO 8" THICK, INCLUDING BASE	SY	437	7.00	
	PREPARATION)  EARTHWORK			20.00	8,740.00
120-1	REGULAR EXCAVATION	CY	765	6.60	5,049.00
120-6	EMBANKMENT (INCLUDES BORROW) (THIS ITEM IS CONTINGENT UPON EXISTING FIELD CONDITIONS AND MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER)	CY	10	16.00	160.00
120-8	RE-GRADE EXISTING SWALE (Where shown specfically on plans, or as directed by Engineer, contingent items may be increase or decrease by Engineer.)	SY	10	5.50	55.00
160-4	TYPE "B" STABILIZATION (12" THICK) (MIN. C.B.R. 30)	SY	20	3.00	60.00
200-1-2A	LIMEROCK BASE [(8" THICK) (DOUBLE COURSE) (PRIMED)] / LIMEROCK BASE (8" THICK, PRIMED)	SY	20	40.00	200.00
	BITUMINOUS SURFACE COURSES AND CONCRETE PAVEMENT		<u> </u>	10.00	
327-70-01	MILLING, 1" AVERAGE DEPTH	SY	72870	2.50	182,175.00
334-2-13-1	HOT MIX ASPHALT, TRAFFIC C, SP-9.5	TON	350	95.00	33,250.00
337-8-42	HOT MIX ASPHALT FRICTION COURSE, TRAFFIC C, FC-9.5, PG 76-220 MISCELLANEOUS ASPHALT PAVEMENT	TON TON	4014 5	101.00 150.00	405,414.00 750.00
339-1 351-2	CURB RAMP DETECTABLE WARNING SURFACE	SF	330	38.00	12,540.00
	DRAINAGE STRUCTURES AND PIPES				12,0 10.00
425-5 425-6	ADJUST MANHOLE (THIS ITEM IS CONTINGENT UPON FIELD CONDITIONS AND MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER) ADJUST EXISTING VALVE BOXES (MIAMI-DADE COUNTY ONLY) (THIS ITEM IS CONTINGENT UPON	EA EA	20	250.00	5,000.00
425-6	FIELD CONDITIONS AND MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER)	LA	40	200.00	8,000.00
425-721E	REMOVAL AND DISPOSAL OF EXISTING DAMAGED FRAMES AND PICK UP NEW FRAMES AT MIAMIDADE WATER AND SEWER, INCLUDING ADJUSTMENT AND INSTALLATION OF MANHOLES.	EA	1		350.00
425-721F	REMOVAL AND DISPOSAL OF EXISTING DAMAGED FRAMES AND PICK UP NEW FRAMES AT MIAMI- DADE WATER AND SEWER. INCLUDING ADJUSTMENT AND INSTALLATION OF WATER VALVES	EA	2	350.00	700.00
425-944R	RECONSTRUCT MANHOLE	EA	2	350.00 500.00	1 000 00
475-944B	CONCRETE	EA			(188218
520-1-10	CONCRETE CURB AND GUTTER , TYPE "F" (6" CURB, 18" GUTTER) (INCLUDES COST OF	LF	4463	14.50	64,713.50
522-1	CONCRETE SIDEWALK (4" THICK RESTORATION AND NEW ,CLASS I CONCRETE, 3000 P.S.I )	SY	365	14.50	9,125.00
522-2	(INCLUDING PEDESTRIAN RAMPS)  CONCRETE SIDEWALK (6" THICK, 3000 P.S.I. CONCRETE AT 28 DAYS) (INCLUDES DRIVEWAYS)	SY	10	25.00 34.00	340.00
022-2	SODDING AND TREE PLANTING		1	565	040.00
575-1-1	SODDING (PENSACOLA BAHIA OR MATCH EXISTING) (INCLUDES WATERING)	SY	500	3.30	1,650.00
580-02 580-4-6	LANDSCAPING MATERIL (INCLUDES SHRUBS GROUND COVER AND ROOT BARRIER)  TREE PLANTING (SABAL PALM, 18' TO 20' OVERALL HEIGHT) (THIS ITEM IS CONTINGENT UPON	LS EA	79	47600.00	47,600.00
380-1-0	FIELD CONDITIONS AND MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER)			400.00	31,600.00
625 4 44	SIGNALIZATION  PUBLICAN METER TYPE (POLYMER)	46	-	480.69	0.400.41
635-1-11 660-2-199	PULL BOX, METER TYPE (POLYMER)  LOOP ASSEMBLY (TYPE A MODIFIED, 5' X 30' TURN LANES, 6' X 30' THROUGH LANES)	AS AS	5	945.00	2,403.45 5,670.00
685-1-65A	SOLAR PEDESTRIAN FLASHER (INCLUDES ELECTRONICS, BATTERIES &SOLAR PANELS), DUAL LED SIGNAL INCLUDING HOUSING AND MOUNTING DARDWARE	AS	1	54000.00	54,000.00
700-40-1	PAVEMENT MARKING AND SIGNAGE ROADSIDE SIGN INCLUDING POST AND STRAPS (SEE PLAN SHEET FOR SIGN DESCRIPTION)	AS	4	240.00	960.00
700-72	RELOCATE EXISTING SIGNS	AS	1	110.00	110.00
706-1-12	REFLECTIVE PAVEMENT MARKERS (CLASS B, MONO OR BI-DIRECTIONAL, ALL COLORS)	ΕA	2000	4.00	8,000.00
711-11-131	SKIP TRAFFIC STRIPE(10' STRIPE, 30' SPACE) (6" WIDE) (WHITE, THERMOPLASTIC)	LF	5500	0.80	4,400.00
711-4/711-11-170 711-11-122	DIRECTIONAL ARROWS (THERMOPLASTIC) SOLID TRAFFIC STRIPE (8" WHITE) (THERMOPLASTIC)	EA LF	88 150	50.00 1.05	4,400.00 157.50
711-11-123	SOLID TRAFFIC STRIPE (12" WHITE) (THERMOPLASTIC)	LF	6572	1.25	8,215.00
711-11-124	SOLID TRAFFIC STRIPE (18" WHITE) (THERMOPLASTIC)	LF	60	2.30	138.00

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	ENGINEER'S OPINION OF PROBABLE CONSTRUCTION	71. 00.			
	SW 17 AVENUE FROM US-1 TO W. FLAGLER STREET				
				CURRENT	
ITEM NO.	ITEM	UNIT	QUANT.	SET PRICE	AMOUNT
711-11-125	SOLID TRAFFIC STRIPE (24" WHITE) (THERMOPLASTIC)	LF	2222	3.00	6,666.00
711-35-81 or 711-11-222	SOLID TRAFFIC STRIPE (8" YELLOW) THERMOPLASTIC	LF	225	0.80	180.00
711-36-181 or 711-6-181A or	SOLID TRAFFIC STRIPE (18" YELLOW) (THERMOPLASTIC)	LF .	150		315.00
711-11-224				2.10	
711-11-111	SOLID TRAFFIC STRIPE (6" WHITE) THERMOPLASTIC	NM	4.5	2450.00	11,025.00
711-11-211	SOLID TRAFFIC STRIPE (6" YELLOW) THERMOPLASTIC	NM	4	2500.00	10,000.00
711-72	REMOVAL OF EXISTING PAVEMENT MARKINGS (THERMOPLASTIC & PAINT)	SF	100	1.00	100.00
	BASE ESTIMAT	E			1,024,233.07
999 OR Z-999	CONTINGENCY FUND (10% OF BASE ESTIMATE AMOUNT)	LS			102,423.31
	SUB-TOTA				1,126,656.38
	DEDICATED ALLOWANCE	S			~
102-1 A	MAINTENANCE OF TRAFFIC (INCLUDING TEMPORARY REFLECTIVE PAVEMENT MARKERS, MARKINGS, TRAFFIC CONES, TEMPORARY SIGNS, FLAG MEN, ETC.) (ASSUME 2% OF BASE ESTIMATEL)	LS			20,484.66
102-10A	OFF-DUTY LAW ENFORCEMENT OFFICER	LS	1	30,000.00	30,000.00
300-1-999	BITUMINOUS MATERIAL ADJUSTMENT (SET DURING BIDDING) (15,000/MI)	LS	1		22,500.00
990	ALLOWANCE PERMITS	LS	1	1,000.00	1,000.00
	GRAND-TOTA	<u>L</u>			1,200,641.04
	DELETANCE (TEMPO				
	DELETABLE ITEMS	-			

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[Close]